

What is claimed:

1. A suspension system for an endless track drive having an upper frame system with a front, center and rear section and a lower slide rail system also having a front, center and rear
5 section, said suspension system comprising:

an elongate rear arm having a top end and a bottom end with said top end being pivotally connected to said upper frame system in said rear section;

10 a rear attachment link having a first and second rear attachment link pivot point with said first rear attachment link pivot point being pivotally attached to the rear section of said lower slide rail and said second rear attachment link pivot point being pivotally attached to said bottom end of said elongate rear arm;

15 an elongate front arm having a top end and a bottom end with said bottom end being pivotally connected to said slide rail system forward of said rear attachment link;

20 a front attachment link having a first and second front attachment link pivot point with said first front attachment link pivot point being pivotally attached to said upper frame system forward of said elongate rear arm top end and said second front attachment link pivot point being pivotally connected to said top end of said elongate front arm; and

a means of fixing the distance between said second rear

attachment link pivot point and said second front attachment link pivot point relative to each other.

2. A suspension system as in claim 1 wherein said rear attachment link comprises a left and a right rear attachment link.

3. A suspension system as in claim 2 wherein said front attachment link comprises a left and a right front attachment link.

4. A suspension system as in claim 3 wherein said means of fixing the distance between said second rear attachment link pivot point and said second front attachment link pivot point is an elongate rigid drag link

5. A suspension system as in claim 4 wherein said elongate front arm bottom end is pivotally connected to said slide rail in said slide rails center section.

6. A suspension system as in claim 5 wherein said front attachment links first front attachment link pivot point is pivotally attached to said upper frame system in the front section of said upper frame.

7. A suspension system for an endless track drive having an upper frame system with a front, center and rear section and a lower slide rail system also having a front, center and rear section, said suspension system comprising:

an elongate rear arm having a top end and a bottom end with

said top end being pivotally connected to said upper frame system in said rear section;

5 a rear attachment means for attaching said slide rail to said bottom end of said elongate rear arm and substantially isolating said elongate rear arm from the forces generated by said slide rail;

an elongate front arm having a top end and a bottom end with said bottom end being pivotally connected to said slide rail system forward of said rear attachment means;

10 a front attachment means for attaching said upper frame system to said top end of said elongate front arm so as to substantially isolate said upper frame system from the forces transferred by said elongate front arm; and

15 a means of fixing the distance between said bottom end of said elongate rear arm and said top end of said elongate front arm.

8. A suspension system as in claim 7 wherein said means of fixing the distance between said bottom end of said elongate rear arm and said top end of said elongate front arm is an elongate rigid drag link.

20 9. A suspension system as in claim 8 wherein said rear attachment means is a rear attachment link having a first and second rear attachment link pivot point with said first rear attachment link pivot point being pivotally attached to the rear

section of said lower slide rail and said second rear attachment link pivot point being pivotally attached to said bottom end of said elongate rear arm.

10. A suspension system as in claim 9 wherein said rear
5 attachment link comprises a left and a right rear attachment link.

11. A suspension system as in claim 10 where in said front attachment means is a front attachment link having a first and second front attachment link pivot point with said first front
10 attachment link pivot point being pivotally attached to said upper frame system forward of said elongate rear arm top end and said second front attachment link pivot point being pivotally connected to said top end of said elongate front arm.

12. A suspension system as in claim 11 wherein said front
15 attachment link comprises a left and a right front attachment link.

13. A suspension system as in claim 12 wherein said elongate front arm bottom end is pivotally connected to said slide rail in said slide rails center section.

20 14. A suspension system as in claim 13 wherein said front attachment links first front attachment link pivot point is pivotally attached to said upper frame system in the front section of said upper frame.

15. A suspension system for an endless track drive said

suspension system comprising:

an upper frame system with a front, center and rear section;

a lower slide rail system also having a front, center and rear section;

5 an elongate rear arm having a top end and a bottom end with said top end being pivotally connected to said upper frame system in said rear section;

a rear attachment link having a first and second rear attachment link pivot point with said first rear attachment link pivot point being pivotally attached to the rear section of said lower slide rail and said second rear attachment link pivot point being pivotally attached to said bottom end of said elongate rear arm;

15 an elongate front arm having a top end and a bottom end with said bottom end being pivotally connected to said slide rail system forward of said rear attachment link;

a front attachment link having a first and second front attachment link pivot point with said first front attachment link pivot point being pivotally attached to said upper frame system forward of said elongate rear arm top end and said second front attachment link pivot point being pivotally connected to said top end of said elongate front arm; and

20 a rigid drag pivotally connecting said second rear attachment link pivot point and said second front attachment link

0 " " ▶
pivot point.

16. A suspension system as in claim 15 wherein said rear attachment link comprises a left and a right rear attachment link.

5 17. A suspension system as in claim 16 wherein said front attachment link comprises a left and a right front attachment link.

18. A suspension system as in claim 17 wherein said elongate front arm bottom end is pivotally connected to said slide rail in
10 said slide rails center section.

19. A suspension system as in claim 18 wherein said front attachment links first front attachment link pivot point is pivotally attached to said upper frame system in the front section of said upper frame.

15